

INTEGRATED LOGISTIC SUPPORT
CONTRACT SPECIFICATION FOR IN-SERVICE CV/CVN'S
NON-NUCLEAR AND NON-PROPULSION PLANT

General

An ILS Program shall be applied by the Contractor, during all phases of the contract to assure that logistic support requirements are consistent with each other.

Logistics Configuration

The Contractor shall identify all Functionally Significant Items (FSI) on the ship. A FSI is any item:

- (1) that requires any element of logistic support
- (2) for which configuration information is needed to maintain the ship
- (3) that is needed to fully describe the functional hierarchy of the ship, from the ship itself down to the lowest level of subassembly.

The Contractor shall identify those items by a functionally oriented Hierarchical Structure Code (HSC) numbering system that provides a top-down breakdown arrangement by which any part of the ship, system, assembly or subassembly can be uniquely addressed relative to its next higher assembly. The database shall be developed using Expanded Ship Work Breakdown Structural manual to establish the HSC.

The specific data and data formats shall be IAW Ship Configuration and Logistics Support Information System (SCLSIS). The Contractor shall assign a functional description to each SCLSIS data base item. The functional description is a plain language description of the item that is consistent with common ship operational terminology. Functional descriptions shall avoid cryptic abbreviations. The functional description shall completely, and uniquely, define the system designation, parent unit designation, equipment designation and component designation, for example, "Air conditioning unit no. 1 motor controller".

The Contractor shall sight validate 100% of the effected ships configuration using SCLSIS database as a guide. The Contractor shall ensure all logistics documentation is consistent with the results of the sight validation.

All APLs and technical manuals identified shall be reviewed for accuracy and changes made where required.

SUPPORT AND TEST EQUIPMENT

Special purpose support and test equipment. Special support and test equipment, including test cables, accessories, and extender cards required for organizational and intermediate level maintenance or operation of new Contractor-furnished equipment shall be provided by the Contractor with the equipment. Gauges, thermometers, and thermocouples required for organizational and intermediate level maintenance or operation, but which are not listed in the NAVSEA 0941-LP-047-3010 shall be considered special support equipment and shall be provided by the Contractor. Organizational level instruments and equipment shall be, mounted securely in a convenient and accessible place in or near the prime equipment. Intermediate level instruments shall be allocated to the appropriate shop area/work center.

SUPPLY SUPPORT

Provisioning (general requirements). The Contractor shall prepare PTD and SPTD for new and modified CF systems, equipment, and components consistent with the level of provisioning being accomplished. PTD for mission critical, and safety related systems, equipment, and components shall include the minimum data elements contained in the PTD selection sheet - Mission Essential Equipment (attachment 1). PTD for commercial and other non-mission essential systems equipment and components shall include the minimum data elements contained in the PTD - Selection Sheet - Non-mission Essential equipment (attachment 2).

TECHNICAL DATA

Ship Selected Records. The current Ships selected records will be marked up reflecting actual work accomplished and delivered to the CV/CVN Digital Product Management Activity (DPMA) (Newport News Shipbuilding E75).

Drawings. This paragraph covers the Contractors responsibilities regarding the furnishing of onboard drawings for the ship. Onboard drawings of government-furnished material will be provided to the Contractor by the Government.

Drawings listed in the SDI, which have been added or modified as a result of work accomplished during the availability shall be provided to the ship (via the supervisor) prior to Fast Cruise. These modified drawings will be provided on an interim basis via aperture card (Type II Class I (DIAZO)) Final updates of the drawings and SDI shall be delivered to the ship in a digital format (via the Supervisor) within 60 days after completion of the availability. A marked up copy of the drawings shall be sent to the DPMA. Full size prints shall be placed onboard the ship (via the Supervisor) prior to Fast Cruise.

Technical Manuals. The Contractor shall provide technical manuals supporting the categories listed below in either Standard Generalize Markup Language (SGML) using MIL-M-38784C-based Document Type Definition (DTD), new illustrations shall be developed electronically in AUTOCAD Drawing exchange file format (DXF), or Intelligent Raster Scanned files

consistent with the existing standards for shipboard and shorebased compatibility with the Advanced Technical Information System (ATIS).

New technical Manual (CF) supporting the ships primary mission and safety.

Manuals for non-military specification equipment (commercial) will be intelligent raster-scanned at a minimum.

Manuals for military Specification equipment will be in SGML format.

New technical manuals (CF) NOT involving the ships primary mission or safety.

New manuals will be intelligent raster scanned if equipment is not supported at the depot level. New manuals will be in SGML format only if the equipment is to be supported at the depot level.

The Contractor shall develop new technical manuals and revisions/changes to existing technical manuals in accordance with the technical criteria contained in Attachment (3). Drawings and technical manual data either new or existing with changes will be forwarded to the DPMA.

PART B		LSAR DATA SELECTION SHEET	
LSA-636 REPORT SELECTION		P	L
SEQUENCE			
LOGISTIC SUPPORT ANALYSIS RECORD CONTROL NUMBER	TOPDOWN	(M)	
	DISASSEMBLY		
	REFERENCE DESIGNATION	(E)	
REFERENCE NUMBER			(M)
MEDIA			
HARD COPY			
MAGNETIC TAPE		1	1
8-TRACK, ODD PARITY, 1800 BPI, EBCDIC CODED			
NUMBER OF RECORDS PER BLOCK IS: 80 x 100 (no internal labels) (SEE NOTE 1)			
MAGNETIC DISKETTE		2	2
DOS - AS APPROVED (SEE NOTE 2)			
DIRECT ELECTRONIC TRANSFER (SEE NOTE 3)		3	3
HEADER DATA			
PROCUREMENT INSTRUMENT IDENTIFICATION (PIIN/SPIN)			X X
NOMENCLATURE OR MODEL OR TYPE NUMBER			X X
CONTROL DATA			X X
PRIME FEDERAL SUPPLY CODE FOR MANUFACTURERS (FSC/MYCOMMERCIAL AND GOVT ENTITY (CAGE)			X X
SUBMISSION CONTROL CODE			X X
DATE (YYMMDD)			X X

H RECORD CARD AND BLOCK NUMBER	LSA-636 REPORT CARD AND BLOCK NUMBER	DED NO.	DATA ELEMENT NAME	P	L
01-1	A-6	372	REFERENCE NUMBER (All H cards)		X X
01-2		421	SIGNIFICANT CHARACTER CODE (All H cards as required)		(X) (X)
01-3		346	PROVISIONING SYSTEM IDENTIFIER CODE (All H cards)		
01-4	A-5	138	FEDERAL SUPPLY CODE FOR MFGRS./COMMERCIAL AND GOVT ENTITY		X X
01-5	A-7	373	REFERENCE NUMBER CATEGORY CODE		(X) (X)
01-6	A-10	337	PROGRAM PARTS SELECTION LIST		
01-7	A-8	375	REFERENCE NUMBER VARIATION CODE		(X) (X)
01-8	A-9	098	DOCUMENT AVAILABILITY CODE		
01-9	A-12	181	ITEM NAME		X X
01-10		348	PROVISIONING TECHNICAL DOCUMENTATION SELECTION CODE		
01-11	B-21	356	QUANTITY PER UNIT PACK		X X
01-12	C-37	498	TOTAL QUANTITY RECOMMENDED		X X
01-13	B-24	338	PRODUCTION LEAD TIME		X X
01-14	D-48	441	SPECIAL MATERIAL CONTENT CODE		X X
01-15	D-48	341	PROVISIONING LIST CATEGORY CODE		
01-16	D-50	439	SPECIAL MAINTENANCE ITEM CODE		(X) (X)
01-17	B-25	152	HARDNESS CRITICAL ITEM		(X) (X)

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NOTE: See page 5 of this form for Provisioning List Coding Information.

Part B, Page 1

(X) - ONLY IF APPLICABLE

Attach (1)

PART II

LSAR DATA SELECTION SHEET

NAVY RECORD CARD AND BLOCK NUMBER	LSA-888 REPORT CARD AND BLOCK NUMBER	DED NO.	DATA ELEMENT NAME	P P L	S L P L
01-18	B-27	325	PRECIOUS METAL INDICATOR CODE	X	X
01-18		326	UPDATE CODE (Applies to sections H Record)		
02-4	A-4	374	REFERENCE NUMBER OVERFLOW	X	X
02-6	B-15	328	NATIONAL STOCK NUMBER AND RELATED DATA	X	X
02-6	B-18	321	UNIT OF ISSUE	X	X
02-7	B-18	323	UNIT OF ISSUE PRICE	X	X
02-8	B-20	332	UNIT OF ISSUE CONVERSION FACTOR		
02-8	A-12	418	SHLE-LIFE	X	X
02-10	A-14	418	SHLE-LIFE ACTION CODE	X	X
02-4		061	CARD SEQUENCING CODE	X	X
02-8	A-4	008	ADDITIONAL REFERENCE NUMBER	X	X
02-8	A-5	128	FEDERAL SUPPLY CODE FOR MFGRS, COMMERCIAL AND GOVT ENTITY	X	X
02-7	A-7	373	REFERENCE NUMBER CATEGORY CODE	X	X
02-8	A-8	375	REFERENCE NUMBER VARIATION CODE	X	X
02-9	C-40	218	MAXIMUM ALLOWABLE OPERATING TIME		
02-10	C-41	203	MAINTENANCE ACTION CODE		
02-11	B-28	320	PHYSICAL SECURITY/PILFERAGE CODE	X	X
02-12	B-28	008	AUTOMATIC DATA PROCESSING EQUIPMENT CODE		
02-12	D-51	008	ALLOWANCE ITEM CODE	X	X
02-14	D-52	021	ALLOWANCE ITEM QUANTITY	X	X
02-15	E-85	180.1	ITEM MANAGEMENT CODE		
02-16		080.2	DEFENSE LOGISTICS SERVICES CENTER SCREENING		
			REQUIREMENT/RESULT CODE		
04-4		061	CARD SEQUENCING CODE		
04-6	B-17	528	UNIT OF MEASURE PRICE		
04-6		201	LOT QUANTITY		
04-7		078	CURRENT PRODUCTION CODE		
04-8		514	TYPE OF UNIT OF MEASURE PRICE CODE		
04-9		247	PROVISIONING UNIT OF MEASURE PRICE CODE		
04-10		141	FISCAL YEAR		
04-11	B-18	524	UNIT OF MEASURE	X	X
04-12	E-82	088	CONTRACTOR TECHNICAL INFORMATION CODE		
04-13	E-83	004	ACQUISITION METHOD CODE		
04-14	E-84	008	ACQUISITION METHOD SUFFIX CODE		
04-15		128	FEDERAL SUPPLY CODE FOR MFGRS, COMMERCIAL AND GOVT ENTITY		
05-4	J-88	038	BASIS OF ISSUE		
LSAR DATA RECORD H1					
08-1	A-4	172	REFERENCE NUMBER (AR H1 CTRN)	X	X
08-2		421	SIGNIFICANT CHARACTER CODE (AR H1 CTRN IN CONTROL)		
08-3	H-79	187	LOGISTIC SUPPORT ANALYSIS CONTROL NUMBER (AL H1 CTRN)	X	X
08-4	H-79	023	ALTERNATE LSA CONTROL NUMBER (AR H1 CTRN IN CONTROL)		
08-5		246	PROVISIONING SYSTEM IDENTIFIER CODE		
08-6		061	CARD SEQUENCING CODE		
08-7	D-44	538	USABLE ON CODE	X	X
			OPTION 1	X	X
			OPTION 2		
			OPTION 3	X	X
08-8		536	UPDATE CODE (AR H1 CTRN)		

PART 8

LSAR DATA SELECTION SHEET

IN RECORD CARD AND BLOCK NUMBER	LSA-886 REPORT CARD AND BLOCK NUMBER	DD NO.	DATA ELEMENT NAME	P L	S L P L
10-6		051	CARD SEQUENCING CODE		
10-7	A-1	340	PROVISIONING CONTRACT CONTROL NUMBER	X	X
10-8	A-4	187	INDENTURE CODE	(M)	
			ATTACHING HARDWARE		
			OPTION 1		
			OPTION 2		
			OPTION 3		
			OPTION 4	(M)	
			OPTION 5		
			KIT		
			OPTION 1		
			OPTION 2		
			OPTION 3		
10-9	A-2	342	PROVISIONING LIST ITEM SEQUENCE NUMBER	X	X
10-10	A-3	509	TYPE OF CHANGE CODE		
10-11	C-33	352	QUANTITY PER END ITEM	X	
			OPTION 1		
			OPTION 2	X	
10-12	C-29	261	NEXT HIGHER ASSEMBLY PROVISIONING LIST ITEM SEQUENCE NUMBER (NHA PLISN)	(X)	(X)
10-13	C-30	262	NHA PLISN INDICATOR	(X)	(X)
10-14	C-31	268	OVERHAUL REPLACEMENT RATE		
10-15	C-38	387	SAME AS PROVISIONING LIST ITEM SEQUENCE NUMBER	(X)	(X)
10-16	C-39	338	PRIOR ITEM PROVISIONING LIST ITEM SEQUENCE NUMBER		
10-17	C-32	351	QUANTITY PER ASSEMBLY	X	
			OPTION 1		
			OPTION 2	X	
10-18		187.1	LOGISTIC SUPPORT ANALYSIS CONTROL NUMBER INDENTURE CODE		
10-19		461	SUPPRESSION INDICATOR CODE		
11-6		175	ITEM CATEGORY CODE		
11-7	B-22	438	SOURCE, MAINTENANCE, RECOVERABILITY CODE	X	X
11-8	B-23	082	DEMILITARIZATION CODE		
11-9	C-34	206	MAINTENANCE REPLACEMENT RATE I	X	X
			OPTION 1	X	X
			OPTION 2		
11-10	C-35	207	MAINTENANCE REPLACEMENT RATE II		
			OPTION 1		
			OPTION 2		
11-11	C-36	208	MAINTENANCE REPLACEMENT RATE MODIFIER		
11-12	E-58	208	MAINTENANCE TASK DISTRIBUTION		
12-6	A-11	108	ESSENTIALITY CODE	X	X
12-7	C-43	183	LINE REPLACEABLE UNIT		
12-8	C-42	023	NOT REPARABLE THIS STATION		
12-9	D-57	388	REPAIR SURVIVAL RATE		
12-10	D-53	250	MINIMUM REPLACEMENT UNIT	X	X
12-11	D-56	364	RECOMMENDED INITIAL SYSTEM STOCK BUY		
12-12	D-54	365	RECOMMENDED MINIMUM SYSTEM STOCK LEVEL		
12-13	D-55	367	RECOMMENDED TENDER LOAD LIST QUANTITY		
12-14	E-61	090	DESIGNATED REWORK POINT		
12-15	E-66	379.1	REMAIN-IN-PLACE INDICATOR		

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NOTE: See page 5 of this form for Provisioning List Coding Information.

PART II

LSAR DATA SELECTION SHEET

IN TCORD JAN AND BLOCK NUMBER	LSA-886 REPORT CARD AND BLOCK NUMBER	DED NO.	DATA ELEMENT NAME	P L	S L P L
12-18		080	DATA RECORD STATUS CODE		
13-6	E-69	388	REPAIR CYCLE TIME		
			OPTION 1		
			OPTION 2		
13-7	E-69	389	REPLACEMENT TASK DISTRIBUTION		
14-6		081	CARD SEQUENCING CODE		
14-7	D-48	389	REFERENCE DESIGNATION		
			REFERENCE DESIGNATION ORIENTED EQUIPMENTS		
			OPTION 1		
			OPTION 2		
			NON-REFERENCE DESIGNATION ORIENTED EQUIPMENTS		
			OPTION 3		
			OPTION 4		
			OPTION 5		
14-8	D-48	371	REFERENCE DESIGNATOR OVERFLOW CODE		
14-9	D-47	370	REFERENCE DESIGNATION CODE		
15-6		081	CARD SEQUENCING CODE		
15-7	J-81	478	TECHNICAL MANUAL CODE		
15-8	J-82	140	FIGURE NUMBER		
15-9	J-83	182	ITEM NUMBER		
15-10	J-84	478	TECHNICAL MANUAL CHANGE NUMBER		
15-11	J-85	482	TECHNICAL MANUAL IDENTIFIER CODE		
16-2	J-86	383	QUANTITY SHIPPED		
3	J-87	846	WORK UNIT CODE/TECHNICAL MANUAL FUNCTIONAL GROUP CODE		
16-6		481	TECHNICAL MANUAL INDICATOR		
16-7		081	CARD SEQUENCING CODE		
16-8	K-88	343	PROVISIONING NOMENCLATURE		
17-6		081	CARD SEQUENCING CODE		
17-7	F-67	082	CHANGE AUTHORITY NUMBER		
17-8	F-68	184	INTERCHANGEABILITY CODE		
17-9	F-69	411	SERIAL NUMBER EFFECTIVITY		
17-10	F-71	388	REPLACED OR SUPERSEDING PROVISIONING LIST ITEM		
			SEQUENCE NUMBER		
17-11	F-72	380	REPLACED OR SUPERSEDING PLIN INDICATOR		
18-6		081	CARD SEQUENCING CODE		
18-7	F-67	082	CHANGE AUTHORITY NUMBER		
18-8	F-70	486	TOTAL ITEM CHANGES		
			OPTION 1		
			OPTION 2		
18-9	F-73	387	QUANTITY SHIPPED		
18-10	F-74	388	QUANTITY PROCURED		
18-11	G-76	338	PRORATED EXHIBIT LINE ITEM NUMBER		
18-12	G-77	338	PRORATED QUANTITY		
19-6		081	CARD SEQUENCING CODE		
19-7	F-67	082	CHANGE AUTHORITY NUMBER		
19-8	F-75	087	DESIGN CHANGE NOTICE USABLE ON CODE		
20-6		081	CARD SEQUENCING CODE		
20-7	H-80	380	REMARKS		

PART 8						
LSAR DATA SELECTION SHEET						
CARD/ BLOCK NUMBER	DIB NO.	DATA ELEMENT NAME	REQUIRED	COMMON	SPECIAL	SELECTIVE
06-4	051	CARD SEQUENCING CODE ▲				
06-5	301	PACKAGING CATEGORY CODE				
06-6	245	METHOD OF PRESERVATION				
06-7	054	CLEANING AND DRYING PROCEDURE				
06-8	331	PRESERVATION MATERIAL CODE				
06-9	348	WRAPPING MATERIAL				
06-10	078	CUSHIONING AND DUNNAGE MATERIAL CODE				
06-11	077	CUSHIONING THICKNESS				
06-12	516	UNIT CONTAINER CODE				
06-13	188	INTERMEDIATE CONTAINER CODE				
06-14	189	INTERMEDIATE CONTAINER QUANTITY				
06-15	081	DEGREE OF PROTECTION CODE				
06-16	440	SPECIAL MARKING CODE				
06-17	527	UNIT PACK WEIGHT				
06-18	528	UNIT PACK SIZE				
06-19	442	SPECIAL PACKAGING INSTRUCTION NUMBER				
06-20	443	SPECIAL PACKAGING INSTRUCTION NUMBER REVISION				
06-21	303	PACKING CODE				
		PACKING CODE - LEVEL A				
		PACKING CODE - LEVEL B				
		PACKING CODE - LEVEL C/X				
07-4	051	CARD SEQUENCING CODE ▲				
07-5	517	UNIT CONTAINER LEVEL				
07-6	082	CONTAINER NATIONAL STOCK NUMBER				
07-7	282	OPTIONAL PROCEDURE INDICATOR				
07-8	529	UNIT SIZE	(X)			
07-9	530	UNIT WEIGHT	(X)			
07-10	138	FEDERAL SUPPLY CODE FOR MANUFACTURERS				
07-11	154	HAZARDOUS CODE				
07-12	454	SUPPLEMENTAL PACKAGING DATA	(X)			
08-4	051	CARD SEQUENCING CODE ▲				
08-5	498	SUPPLEMENTAL PACKAGING DATA OVERFLOW				
01-11	355	QUANTITY PER UNIT PACK				

PROVISIONING LIST CODING INFORMATION:

- (M) - Applicable to Top-Down Breakdown (Mechanical) oriented items only.
- (E) - Applicable to Reference Designation (Electronic) oriented items only.
- X - Required.
- (X) - Required only if applicable.
- A - Required only when data has changed from previous submission.
- 1 - Magnetic Tape is an Acceptable Method for Transmitting Data.
- 2 - Magnetic Diskette - DOS as approved.
- 3 - Direct Electronic Transfer by Mutual Agreement.
- ▲ - Required for automated processing using Government-furnished software.

PTD Non-Mission Essential Equipment

PART II			LSAR DATA SELECTION SHEET				
LSA-436 REPORT SELECTION			P	L	B	L	
SEQUENCE							
LOGISTIC SUPPORT ANALYSIS RECORD CONTROL NUMBER		TOPDOWN					
		DISASSEMBLY					
REFERENCE NUMBER		REFERENCE DESIGNATION					
MEDIA							
MAGNETIC TAPE							
8-TRACK, ODD PARITY, 1800 BPI, EBCDIC CODED							
NUMBER OF RECORDS PER BLOCK IS: 80 ± 100 (no internal labels) (SEE NOTE 1)							
MAGNETIC DISKETTE							
DOS - AS APPROVED (SEE NOTE 2)							
DIRECT ELECTRONIC TRANSFER (SEE NOTE 3)							
HEADER DATA							
PROCUREMENT INSTRUMENT IDENTIFICATION (PIIN/SPIN)							
NOMENCLATURE OR MODEL OR TYPE NUMBER							
CONTROL DATA							
PRIME FEDERAL SUPPLY CODE FOR MANUFACTURERS (FSC)/COMMERCIAL AND GOVERNMENT ENTITY (CAGE)							
SUBMISSION CONTROL CODE							
DATE (YYMMDD)							
H RECORD CARD AND BLOCK NUMBER	LSA-436 REPORT CARD AND BLOCK NUMBER	DED NO.	DATA ELEMENT NAME	P	L	B	L
01-1	A-6	372	REFERENCE NUMBER (All H cards)				
01-2		421	SIGNIFICANT CHARACTER CODE (All H cards as required)				
01-3		345	PROVISIONING SYSTEM IDENTIFIER CODE (All H cards)				
01-4	A-5	139	FEDERAL SUPPLY CODE FOR MFGS./COMMERCIAL AND GOVT ENTITY				
01-5	A-7	373	REFERENCE NUMBER CATEGORY CODE				
01-6	A-10	337	PROGRAM PARTS SELECTION LIST				
01-7	A-8	375	REFERENCE NUMBER VARIATION CODE				
01-8	A-9	086	DOCUMENT AVAILABILITY CODE				
01-9	A-12	181	ITEM NAME				
01-10		346	PROVISIONING TECHNICAL DOCUMENTATION SELECTION CODE				
01-11	B-21	356	QUANTITY PER UNIT PACK				
01-12	C-37	488	TOTAL QUANTITY RECOMMENDED				
01-13	B-24	338	PRODUCTION LEAD TIME				
01-14	D-48	441	SPECIAL MATERIAL CONTENT CODE				
01-15	D-49	341	PROVISIONING LIST CATEGORY CODE				
01-16	D-50	438	SPECIAL MAINTENANCE ITEM CODE				
01-17	B-25	152	HARDNESS CRITICAL ITEM				

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Part II, Page 1

NOTE: See page 5 of this form for Provisioning List Coding Information.

Attachment (2)

PART II					
LSAR DATA SELECTION SHEET					
NAV RECORD CARD AND BLOCK NUMBER	LSA-488 REPORT CARD AND BLOCK NUMBER	DSD NO.	DATA ELEMENT NAME	P P L P L	S P L P L
01-18	B-27	325	PRECIOUS METAL INDICATOR CODE		
01-19		535	UPDATE CODE (Applies to complete H Record)		
02-4	A-9	374	REFERENCE NUMBER OVERFLOW	X	X
02-5	B-15	238	NATIONAL STOCK NUMBER AND RELATED DATA		
02-6	B-18	521	UNIT OF ISSUE	X	X
02-7	B-19	523	UNIT OF ISSUE PRICE	X	X
02-8	B-20	522	UNIT OF ISSUE CONVERSION FACTOR		
02-9	A-13	415	SHELF-LIFE		
02-10	A-14	416	SHELF-LIFE ACTION CODE		
03-4		091	CARD SEQUENCING CODE		
03-5	A-9	009	ADDITIONAL REFERENCE NUMBER		
03-6	A-9	139	FEDERAL SUPPLY CODE FOR MFGRS, COMMERCIAL AND GOV'T ENTITY		
03-7	A-7	375	REFERENCE NUMBER CATEGORY CODE		
03-8	A-8	376	REFERENCE NUMBER VARIATION CODE		
03-9	C-40	218	MAXIMUM ALLOWABLE OPERATING TIME		
03-10	C-41	203	MAINTENANCE ACTION CODE		
03-11	B-28	320	PHYSICAL SECURITY/PILFERAGE CODE	X	X
03-12	B-28	038	AUTOMATIC DATA PROCESSING EQUIPMENT CODE		
03-13	D-51	020	ALLOWANCE ITEM CODE	X	X
03-14	D-52	021	ALLOWANCE ITEM QUANTITY	X	X
03-15	E-60	180.1	ITEM MANAGEMENT CODE		
03-16		080.2	DEFENSE LOGISTICS SERVICES CENTER SCREENING		
			REQUIREMENT/RESULT CODE		
04-4		091	CARD SEQUENCING CODE		
04-5	B-17	525	UNIT OF MEASURE PRICE		
04-6		201	LOT QUANTITY		
04-7		075	CURRENT PRODUCTION CODE		
04-8		314	TYPE OF UNIT OF MEASURE PRICE CODE		
04-9		347	PROVISIONING UNIT OF MEASURE PRICE CODE		
04-10		141	FISCAL YEAR		
04-11	B-18	526	UNIT OF MEASURE	X	X
04-12	E-62	086	CONTRACTOR TECHNICAL INFORMATION CODE		
04-13	E-63	004	ACQUISITION METHOD CODE		
04-14	E-64	005	ACQUISITION METHOD SUFFIX CODE		
04-15		139	FEDERAL SUPPLY CODE FOR MFGRS, COMMERCIAL AND GOV'T ENTITY		
05-4	J-88	038	BASIS OF ISSUE		
LSAR DATA RECORD H1					
09-1	A-9	372	REFERENCE NUMBER (All H1 cards)		
09-2		421	SIGNIFICANT CHARACTER CODE (All H1 cards as required)		
09-3	H-78	187	LOGISTIC SUPPORT ANALYSIS CONTROL NUMBER (All H1 cards)		
09-4	H-78	023	ALTERNATE LSA CONTROL NUMBER (All H1 cards as required)		
09-5		345	PROVISIONING SYSTEM IDENTIFIER CODE		
09-6		091	CARD SEQUENCING CODE		
09-7	D-44	536	USABLE ON CODE		
			OPTION 1		
			OPTION 2		
			OPTION 3		
09-8		535	UPDATE CODE (All H1 cards)		

NOTE: See page 5 of this form for Provisioning List Coding Information.

PART I				LSAR DATA SELECTION SHEET			
W1 RECORD CARD AND BLOCK NUMBER	LSA-888 REPORT CARD AND BLOCK NUMBER	DDO NO.	DATA ELEMENT NAME	P P L	S L P P L		
10-6		051	CARD SEQUENCING CODE				
10-7	A-1	340	PROVISIONING CONTRACT CONTROL NUMBER	X	X		
10-8	A-4	157	INDENTURE CODE	(U)			
			ATTACHING HARDWARE				
			OPTION 1				
			OPTION 2				
			OPTION 3				
			OPTION 4	(U)			
			OPTION 5				
			KIT				
			OPTION 1				
			OPTION 2				
			OPTION 3				
10-9	A-2	342	PROVISIONING LIST ITEM SEQUENCE NUMBER	X	X		
10-10	A-3	306	TYPE OF CHANGE CODE				
10-11	C-33	332	QUANTITY PER END ITEM	X			
			OPTION 1				
			OPTION 2	X			
10-12	C-29	261	NEXT HIGHER ASSEMBLY PROVISIONING LIST ITEM SEQUENCE NUMBER (NHA PLISN)				
10-13	C-30	262	NHA PLISN INDICATOR				
10-14	C-31	266	OVERHAUL REPLACEMENT RATE				
10-15	C-38	387	SAME AS PROVISIONING LIST ITEM SEQUENCE NUMBER				
10-16	C-39	335	PRIOR ITEM PROVISIONING LIST ITEM SEQUENCE NUMBER				
10-17	C-32	331	QUANTITY PER ASSEMBLY	X			
			OPTION 1				
			OPTION 2	X			
10-18		197.1	LOGISTIC SUPPORT ANALYSIS CONTROL NUMBER INDENTURE CODE				
10-19		481	SUPPRESSION INDICATOR CODE				
11-6		173	ITEM CATEGORY CODE				
11-7	B-22	436	SOURCE, MAINTENANCE, RECOVERABILITY CODE	X	X		
11-8	B-23	082	DEMILITARIZATION CODE				
11-9	C-34	206	MAINTENANCE REPLACEMENT RATE I	X	X		
			OPTION 1	X	X		
			OPTION 2				
11-10	C-35	207	MAINTENANCE REPLACEMENT RATE II				
			OPTION 1				
			OPTION 2				
11-11	C-36	208	MAINTENANCE REPLACEMENT RATE MODIFIER				
11-12	E-36	209	MAINTENANCE TASK DISTRIBUTION				
12-6	A-11	108	ESSENTIALITY CODE	X	X		
12-7	C-43	183	LINE REPLACEABLE UNIT				
12-8	C-42	023	NOT REPARABLE THIS STATION				
12-9	D-57	386	REPAIR SURVIVAL RATE				
12-10	D-53	290	MINIMUM REPLACEMENT UNIT	X	X		
12-11	D-56	384	RECOMMENDED INITIAL SYSTEM STOCK BUY				
12-12	D-54	385	RECOMMENDED MINIMUM SYSTEM STOCK LEVEL				
12-13	D-58	387	RECOMMENDED TENDER LOAD LIST QUANTITY				
12-14	E-61	080	DESIGNATED REWORK POINT				
12-15	E-66	378.1	REMAIN-IN-PLACE INDICATOR				

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NOTE: See page 5 of this form for Provisioning List Coding Information.

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PART 8

LSAR DATA SELECTION SHEET

NY RECORD CARD AND BLOCK NUMBER	LSA-888 REPORT CARD AND BLOCK NUMBER	DED NO.	DATA ELEMENT NAME	P L	S L	P L	P L
12-16		089	DATA RECORD STATUS CODE				
13-6	E-89	385	REPAIR CYCLE TIME				
			OPTION 1				
			OPTION 2				
13-7	E-90	391	REPLACEMENT TASK DISTRIBUTION				
14-6		061	CARD SEQUENCING CODE				
14-7	D-46	389	REFERENCE DESIGNATION				
			REFERENCE DESIGNATION ORIENTED EQUIPMENTS				
			OPTION 1				
			OPTION 2				
			NON-REFERENCE DESIGNATION ORIENTED EQUIPMENTS				
			OPTION 3				
			OPTION 4				
			OPTION 5				
14-8	D-48	371	REFERENCE DESIGNATOR OVERFLOW CODE				
14-9	D-47	370	REFERENCE DESIGNATION CODE				
15-6		061	CARD SEQUENCING CODE				
15-7	J-81	479	TECHNICAL MANUAL CODE				
15-8	J-82	140	FIGURE NUMBER				
15-9	J-83	182	ITEM NUMBER				
15-10	J-84	478	TECHNICAL MANUAL CHANGE NUMBER				
15-11	J-85	480	TECHNICAL MANUAL IDENTIFIER CODE				
15-12	J-86	389	QUANTITY PER FIGURE				
15-13	J-87	845	WORK UNIT CODE/TECHNICAL MANUAL FUNCTIONAL GROUP CODE				
16-6		481	TECHNICAL MANUAL INDICATOR				
16-7		061	CARD SEQUENCING CODE				
16-8	K-89	343	PROVISIONING NOMENCLATURE				
17-6		061	CARD SEQUENCING CODE				
17-7	F-87	088	CHANGE AUTHORITY NUMBER				
17-8	F-88	184	INTERCHANGEABILITY CODE				
17-9	F-89	411	SERIAL NUMBER EFFECTIVITY				
17-10	F-71	389	REPLACED OR SUPERSEDED PROVISIONING LIST ITEM				
			SEQUENCE NUMBER				
17-11	F-72	389	REPLACED OR SUPERSEDED FLIN INDICATOR				
18-6		061	CARD SEQUENCING CODE				
18-7	F-87	088	CHANGE AUTHORITY NUMBER				
18-8	F-79	488	TOTAL ITEM CHANGES				
			OPTION 1				
			OPTION 2				
18-9	F-73	357	QUANTITY SHIPPED				
18-10	F-74	389	QUANTITY PROCURED				
18-11	G-78	338	PRORATED EXHIBIT LINE ITEM NUMBER				
18-12	G-77	338	PRORATED QUANTITY				
19-6		061	CARD SEQUENCING CODE				
19-7	F-87	088	CHANGE AUTHORITY NUMBER				
19-8	F-75	087	DESIGN CHANGE NOTICE USABLE ON CODE				
20-6		061	CARD SEQUENCING CODE				
20-7	H-88	389	REMARKS				

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NOTE: See page 5 of this form for Provisioning List Coding Information.

PART II						
LSAR DATA SELECTION SHEET						
CARD/BLOCK NUMBER	DED NO.	DATA ELEMENT NAME	REQUIRED	COMMON	SPECIAL	SELECTIVE
06-4	051	CARD SEQUENCING CODE ▲				
06-5	301	PACKAGING CATEGORY CODE				
06-6	245	METHOD OF PRESERVATION				
06-7	054	CLEANING AND DRYING PROCEDURE				
06-8	331	PRESERVATION MATERIAL CODE				
06-9	546	WRAPPING MATERIAL				
06-10	076	CUSHIONING AND DUNNAGE MATERIAL CODE				
06-11	077	CUSHIONING THICKNESS				
06-12	518	UNIT CONTAINER CODE				
06-13	188	INTERMEDIATE CONTAINER CODE				
06-14	189	INTERMEDIATE CONTAINER QUANTITY				
06-15	081	DEGREE OF PROTECTION CODE				
06-16	440	SPECIAL MARKING CODE				
06-17	527	UNIT PACK WEIGHT				
06-18	528	UNIT PACK SIZE				
06-19	442	SPECIAL PACKAGING INSTRUCTION NUMBER				
06-20	443	SPECIAL PACKAGING INSTRUCTION NUMBER REVISION				
06-21	303	PACKING CODE				
		PACKING CODE - LEVEL A				
		PACKING CODE - LEVEL B				
		PACKING CODE - LEVEL C/X				
07-4	051	CARD SEQUENCING CODE ▲				
07-5	517	UNIT CONTAINER LEVEL				
07-6	082	CONTAINER NATIONAL STOCK NUMBER				
07-7	292	OPTIONAL PROCEDURE INDICATOR				
07-8	529	UNIT SIZE	(X)			
07-9	530	UNIT WEIGHT	(X)			
07-10	139	FEDERAL SUPPLY CODE FOR MANUFACTURERS				
07-11	154	HAZARDOUS CODE				
07-12	454	SUPPLEMENTAL PACKAGING DATA	(X)			
08-4	051	CARD SEQUENCING CODE ▲				
08-5	455	SUPPLEMENTAL PACKAGING DATA OVERFLOW				
01-11	355	QUANTITY PER UNIT PACK				

PROVISIONING LIST CODING INFORMATION:

(M) - Applicable to Top-down Breakdown (Mechanical) oriented items only.

(E) - Applicable to Reference Designation (Electronic) oriented items only.

X - Required.

(X) - Required only if available.

A - Required only when data has changed from previous submission.

1 - Magnetic Tape is an Acceptable Method for Transmitting Data.

2 - Magnetic Diskette - DOS as approved.

3 - Direct Electronic Transfer by Mutual Agreement.

▲ - Required for automated processing using Government-furnished software.

TECHNICAL MANUAL PREPARATION GUIDELINE

1-1 COMMERCIAL-OFF-THE-SHELF (COTS) TECHNICAL MANUALS. COTS manuals may be supplied in lieu of contractor-furnished technical manuals when specified by the procuring activity. COTS manuals must be prepared in accordance with acceptable industry standards and should contain operating, troubleshooting, and maintenance procedures including applicable repair parts listings. It is preferred that COTS manuals be prepared in digital format since material which is not of raster scanning quality will not be accepted. COTS manuals will be delivered as received and do not require approval by the procuring activity.

1-2 CONTRACTOR-FURNISHED TECHNICAL MANUALS. The contractor will develop new technical manuals or change pages to existing technical manuals as appropriate.

1-2.1 Format and Style. The hard copy **MUST** be fully edited, validated, and typewritten, single-column single spaced, on one side of the sheet only. The page size is 8-1/2 x 11 inches with image area restricted to 6-1/2 x 9 inches. The binding edge is 1-1/2 inch and the outside edge 1/2 inch. Any method of duplication, covering, and binding that will provide legible, collated copies of the manuscript will be acceptable. If a change to an existing manual is developed in lieu of a new manual, the format and style of the existing manual is used. The use of change symbols (i.e., vertical line, asterisk, pointing hand, etc.) will be determined by the contractor. If a change occurs on only one side of the page, legible backing pages must be furnished.

The hard copy contains the table of contents, text, illustrations, and tables to be included in the manual as specified in this document. Manuals contain the following data, as applicable, to provide instructions for installatic operation, and maintenance and shall be arranged as follows:

- Front Matter
- o Technical Content
- o Technical Manual Deficiency/Evaluation Report (TMDER)

Front Matter. The contractor is responsible for providing front matter consisting of the following, in the order provided below. The manual preparer is required to prepare items marked with an asterisk.

- a. Change Instruction (for changes only)
- b. Cover Page (as required)
- c. Title Page
- d. List of Effective Pages
- e. Approval and Procurement Record Page
- f. Validation Page (as required)
- g. Change Record (as required)
- h. Foreword
- i. Table of Contents*
- j. List of Illustrations*
- k. List of Tables (as required)*
- l. Safety Summary (as required)*

Technical Content. Technical content should be presented in clear language, using the simplest words and phrases which will convey the intended meaning to a high school graduate having specialized training as a technician through Navy training courses. All essential information must be included, either by direct statements or by reference. For maximum clarity and usefulness, maintain consistency in terminology within the same publication or series of publications.

Technical Manual Deficiency/Evaluation Report. The contractor will provide the Technical Manual Deficiency/Evaluation Report (TMDER), NAVSEA Form 4160/1, for each manual/volume.

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